

AMENDMENTS TO SPECIFICATION:

Delete paragraph [0025] and substitute the following paragraph therefor:

[0025] Each frame of imaging data acquired by the x-ray imager 30 is time stamped with the local time with reference to a first local clock 31 located in or connected to the x-ray imager 30. Each frame is later encapsulated in a DICOM object, with the associated time stamp for that frame being inserted in a predetermined field in a header in the DICOM object. The DICOM object can then be uploaded to the DICOM server 38 (shown in FIG. 2B) via a DICOM image network 20. The DICOM server 38 is programmed with database management software for managing a DICOM image database (not shown). This database may reside on the DICOM server 38 or on a separate computer connected to the DICOM server 38. The DICOM objects from the x-ray imager 30 are stored in the database.

Delete paragraph [0028] and substitute the following paragraph therefor:

[0028] The aforementioned pointers, indicating characteristic features of the acquired ECG waveforms and corresponding to well-known cardiac events, (such as diastole and systole), are time stamped by the hemodynamic monitoring system 40. These pointers are time stamped with the local time with reference to a second local clock 41 located in or connected to the hemodynamic monitoring system 40. The time-stamped ECG waveforms are later encapsulated in DICOM objects,

with the associated time stamps being inserted in predetermined fields in a header in each DICOM object. These DICOM objects are uploaded to the DICOM server 38 via a DICOM waveform network 22.

Delete paragraph [0030] and substitute the following paragraph therefor:

[0030] One embodiment of the invention compensates for out-of-sync local clocks by providing NTP time synchronization server software module 51 that resides in the DICOM server 38 and also by providing the two data acquisition systems 30 and 40 with respective NTP time synchronization client software modules. Each NTP time synchronization client software module communicates with the NTP time synchronization server software module 51 in accordance with a network time protocol for the purposes of independently synchronizing the respective local clocks 31 and 41 of the data acquisition systems 30 and 40 to a reference clock associated with module 51. Each NTP time synchronization client software module initiates a time request exchange with the NTP time synchronization server software module 51. As a result of this exchange, the client is able to calculate the link delay, its local offset, and adjust its local clock to match the reference clock at the computer (i.e., DICOM server 38) where the server software module 51 resides. Once the local clocks have been synchronized with the reference clock, the client updates its local clock periodically, e.g., once every minute.